

ABSTRACT OF THE DISCLOSURE



In a real-time distributed control system in which a plurality of network controllers are connected, a middleware module in each control unit executes starting of application modules and calling RT communication processing according to starting order information in application configuration information. RT communication service sends and receives messages between the application modules corresponding to the calling. The application configuration information and the messages are generated by an information processor based on user defined information, and transmitted to each of the units. A network driver executes network communication using a network controller which stores sending and receiving messages. A network driver priority manager determines priority of processing of the network driver corresponding to priorities of sent and received messages, and a scheduler executes processing of the network driver according to the priority of the processing of the network driver.